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CONSTRUCTION OF NEW HEAT AND ELECTRIC POWER PLANT IN ZERAN, POLAND

Stolica
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Construction of a central heat and electric power plant in Zeran is one of the largest construction projects in the Warsaw area. The size of the plant will equal that of the Jaworzno II power plant. At the same time, the plant will be one of the most modern and powerful power plants in Poland, with a power output that will greatly exceed that of the present Warsaw power plant. Besides supplying electric power, the plant will also act as a great central heating plant for the capital.

By using the most modern equipment, the efficiency of the plant in Zeran will exceed the usual 30-percent efficiency. The percentage utilization of energy will increase by about 30-45 [percent]. In effect this means a saving of hundreds of thousands of tons of fuel annually.

The Zeran plant is being built on an unused site along the Wisla River. The first of six planned power units will be ready for operation in 1954.

By the time the first of the six planned units is ready for use, more than a half million cubic meters of buildings will have been completed. The largest of the major buildings at the project will be the power plant. Its height will be equal to 13 stories. The steel-girder framework of the building is already completed and reaches a height of 40 meters. The girder work was done by "Mostostal" (bridge and steel construction enterprise) ahead of schedule.

The Zeran heat and electric power plant is being built according to blueprints and designs of similar plants in the USSR. Specialists from the USSR, however, have made certain changes in the specifications, which the builders of Zeran hope will increase the capacity and efficiency of the plant. In addition to the blueprints and specifications, all the basic equipment and power installations for the plant are being supplied by the USSR.

Along with the power plant building, construction is progressing on a coal-crushing installation, a water-pumping and water-filtering plant, control installations, transformer installations, etc.

"Energomontaz" (power equipment installation enterprise) is using a new Soviet system for installing the power equipment in Zeran, the so-called block installation system. This method cuts the time necessary for installing a steam boiler to 6 months. In this system, the installations are assembled outside of the building and then are put in place with a crane.

The new heat and electric power plant in Zeran will be the first in a series of such plants planned to supply Warsaw with heat and power. Construction will start on the other plants during the next Five-Year Plan.

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